

LEXAN[®]
POLYCARBONATE RESIN

**clearly
the most versatile of
the tough thermoplastics**

To the naked eye the transparency of clear LEXAN is virtually identical to glass ... or any of the other clear thermoplastics. But there the resemblance ends.

LEXAN has the highest impact strength of any engineering quality thermoplastic by far. Average notched Izod value is 14 ft. lbs. With UV-stabilized LEXAN resin, this impact strength is maintained through many months of outdoor exposure to the elements.

LEXAN has high rigidity. With a flexural modulus of 375,000, it can be used in reduced wall thicknesses, cutting weight and cost. LEXAN resin has superior heat resistance. The heat deflection temperature at 264 psi is an impressive 265°F, again, the highest of any engineering thermoplastic.

With high impact resistance and elongation averaging 75 percent, LEXAN parts are extremely rugged. Brittle breaks and shattering are rare. LEXAN resists creep better than other materials over a wide temperature range, and stands up to high stress loads for long periods.



Blow-molded baby bottle won't break, is odor-free.



Modern, low cost safety glasses feature integrally molded lens, frame and hinge. Temples also of LEXAN resin.



Instrument cover won't shatter, resists creep and sunlight.



Pump housing cover requires the strength of metal, the visibility of glass.



Transparent dome for beverage dispenser is odorless, stain-resistant and non-toxic.

So, wherever you can benefit from LEXAN polycarbonate's high transparency and its unique combination of tough physical properties, call us for assistance. We've aided manufacturers of baby bottles, safety glasses, carriage wheels, instruments, lighting globes, auto parts, pumps, beverage dispensers and many others. Section C1234, Chemical Materials Dept., General Electric Company, One Plastics Ave., Pittsfield, Mass.

GENERAL  **ELECTRIC**

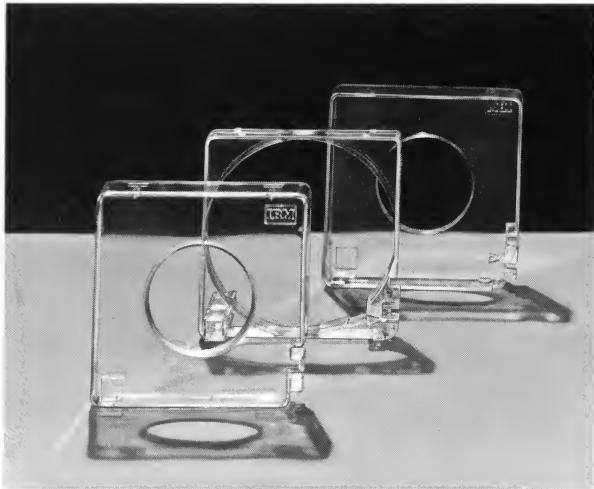
(NB Cartridge for
my type
typewriter)

If you doubt the clarity of glass can be combined with the toughness of metal...

call Dick Thompson at (413) 443-5681...



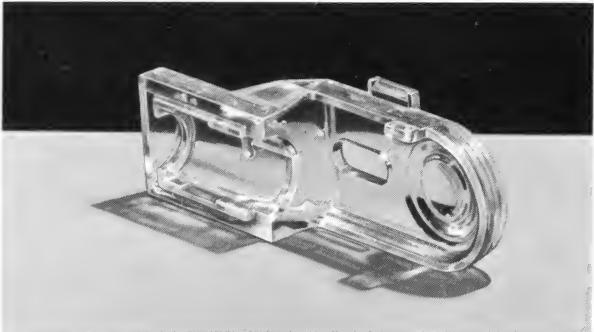
Wheelchair wheel won't bend or dent; costs less, weighs less than steel, is attractive and easily cleaned.



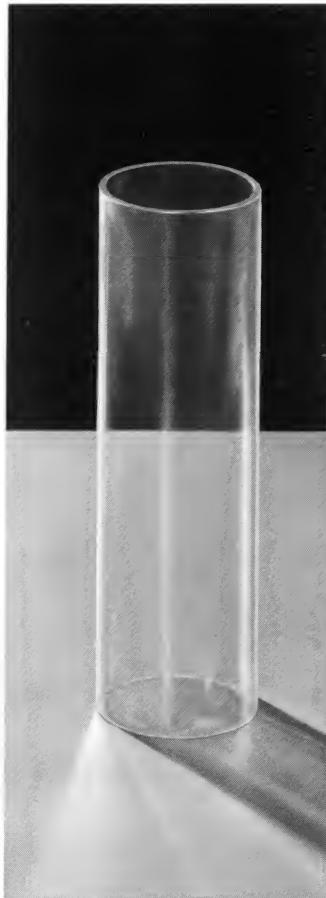
Tape reel housing combines toughness, self-extinguishing and easy identification of contents. Safe storage assured.



Tough gas meter cover resists moisture and vandals.



Combination light socket and lens for appliance retains dimensional stability under high heat and load.



Water clear tubing.

he'll tell you about **LEXAN**[®]
POLYCARBONATE RESIN

Water-clear polycarbonate lenses, covers, sheet, and other molded and extruded parts are available now as illustrated. General Electric chemists made the breakthrough.

With luminous transmittance values up to 89%, LEXAN components look as clear as quality window glass.

All outstanding polycarbonate engineering values—exceptional impact strength, dimensional stability in moisture and under load, heat resistance, and others—are retained. UV-stabilized products are available, as are innumerable, attractive transparent hues.

For data and samples, call or write us at Section C1234, Chemical Materials Dept., General Electric Company, One Plastics Ave., Pittsfield, Mass.

Dick Thompson is manager of polycarbonate market development. He and his technical staff will be glad to assist you in the evaluation and design of polycarbonate parts.

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